

GROUND WATER FORUM TELECONFERENCE

Thursday, February 3, 2000

SCIENTIST TO SCIENTIST MEETINGS

Lori Kowalski (ORD/HQ) asked for volunteers to help plan a scientist to scientist meeting that will discuss the state of research on MTBE and identify research needs. The meeting is planned for spring/early summer. ORD would like a representative from each of the Forums to be on the steering committee to bring the Forum perspective to the planning process and keep the Forum updated on progress. The representative will need to participate in 4-5 conference calls, the first of which will occur February 9. Co-chair Kathy Davies (Region 3) will poll the regions for volunteers and get back to Lori.

Ed Hanlon (ORD/HQ) is also looking for volunteers for a steering committee to organize a scientist to scientist meeting on mining wastes during the same time period. Steve Mangion (Region 1) said he would like to participate. EMS e-mailed Ed Hanlon's request for volunteers to the Forum on February 3. Anyone interested please contact Kathy Davies.

Note that ORD cannot provide travel funds to either meeting, but will utilize Placeware. Placeware allows participants to listen on the phone while viewing meeting materials on a website.

Scientist to scientist meetings are between ORD and the program offices in the Regions. The purpose is to provide Regional programs with information on ORD's current research in a given area and to get comments from the regional staff on what their needs in the area are.

SPRING 2000 TSP MEETING

A plenary session with invited Headquarters speakers will be held Tuesday, April 25th. The afternoon will be devoted to phytoremediation. There will be a short business session on Wednesday morning followed by discussion of the headquarters' RCRA issues. Isotopic geochemical tracers, fractured rock characterization, and site characterization techniques using multi-level samplers will be the technical topics discussed Wednesday afternoon through Thursday.

Co-chair Curt Black (Region 10) asked Steve Mangion if he was willing to continue being the liaison in the planning process. Steve said yes and there was a meeting planned in late February to discuss priorities in case of budget cuts and to identify any promising initiative areas. Dick Lily of RTP will be representing the regions.

DNAPL WEBSITE

ORD has reviewed the RCRA Corrective Actions NAPL website and requested that the site be closed down. This was done. The Forum must decide whether or not to provide their own review of the site. The possibility of a more exhaustive review could be discussed at the Spring meeting. Rene' Fuentes (Region 10) and Jeff Johnson (Region 7) volunteered to do the review. Mark Mercer agreed to provide the data used to generate the model pictures on the closed DNAPL website them, if his management will agree to it.

SURFACTANTS WORKSHOP

Vince Malott attended a two-day workshop in Austin on surfactants that was put on by the petroleum engineering department at the University of Texas. The principal emphasis was work at Hill AFB and covered partitioning interwell tracer tests and the use of foam to help the surfactants penetrate partially

saturated soils. The monitoring wells (for tracers) had to be closely spaced make it work, which would be costly at larger sites. They have a website (<http://www.dnapi.com>) explaining the process. A workshop notebook is also available. Please contact Vince Malott (Malott.vincent@epamail.epa.gov) for further information. They compare a limited number of sites and provide cost data comparing surfactants to other methods.

ONE PERCENT SOLUBILITY RULE

Rich sent additional information out to regions to solicit their opinions on developing a paper on how the one percent rule is being used or misused in their region. Anyone interested in contributing let Kathy Davies know.

ST. JOSEPH SITE, MICHIGAN

The St. Joseph site in Michigan is a MNA site with petroleum hydrocarbons and chlorinated solvents. The plume discharges to a lake. It has been assumed that vinyl chloride in the plume was disappearing. Mark Henry in the Michigan DEQ made a syringe type sampling device and by diving to the bottom of the lake was able to take samples at the water/sediment interface. Test results indicated vinyl chloride at ppm levels in the sediment. This was not what the DNAPL model predicted. Apparently the previous samples were not taken appropriately. Barbara Vetort (Michigan DEQ) volunteered to report the new data for the site on a future call.

PHYTOREMEDIATION STATE OF THE SCIENCE CONFERENCE

Kathy Davies will send information out on a Phytoremediation State of the Science Conference to be held in Boston May 1 and 2. As of now it is a one time only presentation, although it may evolve into a regional workshop.

STRATEGY FOR POST CONSTRUCTION COMPLETION SITES AND OPERATION AND MAINTENANCE

Curt Black, as part of the development of a Strategy for Post Construction Completion Sites and Operation and Maintenance, is developing a short issue paper on different perceptions of ground water protection. He has noticed from conversations with Forum members that their regional program RPMs appear to have a different agenda than the Forum. The paper is directed at trying to identify causes and bring about a more uniform approach. He will circulate the paper for review by Forum members and then seek an appropriate time and place to present it at headquarters.

Action Item	Current Status/ <u>Planned Action</u>
(1) <i>Ground-Water Sampling Guidelines</i>	Work by Birnie Zavala and Doug Yeskis is still in progress. SOPs still aren't quite finished.
(2) <i>Monitoring of Field Parameters Issue Paper</i>	Work is in progress. There will be a conference call with SPRD Ada on February 7 to discuss any outstanding issues.
(3) <i>Electronic Information Bulletin Board</i>	No new information. Review original reasons for implementation and consider use at next meeting.
(4) <i>Contaminated Aquatic Sediment Remedial Guidance Workgroup</i>	Dave Drake -- No new information available on call.
(5) <i>Ground Water/Surface Water Workshop</i>	Rene Fuentes and Curt Black with EMS Draft complete -- ready for peer review.
(6) <i>Uncertainties in Time Frames Issue Paper</i>	Ruth Izraeli reported that the Committee had looked at the first draft and had significant modifications. The approach taken in the paper was not what they expected. Conference call with Ada end of February.
(7) <i>Data Usability Issue Paper</i>	Curt will followup with Ernie Waterman to inquire about the status.
(8) <i>Site Characterization for MNA of Chlorinated Solvents Issue Paper</i>	Bill Brandon is reviewing the document. It is about 3-inches thick and covers everything, not just natural attenuation. They are going back to the work plan and look at why the document's scope became so broad. <u>Will provide another update in March.</u>
9) <i>Extraction/Injection Wells Issue Paper</i>	Being printed. <u>As soon as it is available on the Internet, will let everyone know.</u> A guidance document is being developed on the rehabilitation of these wells. Kevin Willis (Region 2) and Judy Canova (SCDHEC) are reviewing it. Anyone else interested in reviewing it should contact Kevin.
(10) <i>OERR's Direct Push Technology Workgroup</i>	Draft DPT report in progress. Rob Hitzig-Dave Nielsen to give it a technical evaluation. A draft is expected by the end of the month.
(11) <i>Remediation Technologies Development Forum training "Enhanced Bioremediation of Chlorinated Solvents"</i>	Mark Filippini (Region 9) will send what he has to Curt by End of February.
(12) <i>State Participation in TSP</i>	Complete.

(13) <i>Monthly Conference Calls</i>	E-mail any comments on the new format for conference calls to Curt.
(14) <i>Status of Ground Water Cleanup</i>	Done.
(15) <i>“Inactive Members”</i>	Ongoing-- Please report back on your own region -- also look for new motivated candidates for replacement of inactive members.
(16) <i>Travel Support</i>	Doesn't look likely/good.
(17) <i>Marketing GWF</i>	EMS is preparing a draft brochure with input from all three forums.
(18) <i>Strategy for Post Construction Completion Sites and O&M</i>	<u>Curt is producing a two page straw-man/position paper on different perceptions of what is important between ground water forum members and program RPMs in both the CERCLA and RCRA programs. He will provide it for review to Forum members.</u>
(19) <i>Guidance on Long-Term Monitoring for MNA</i>	Done. Can it be distributed electronically?
(23) <i>MNA of Contaminants in the Subsurface Issue Paper</i>	Vanderpool lead - Done. Published. Available on net under “Microbial Processes Affecting MNA of Contaminants in the Subsurface”.
(24) <i>National tracking progress/effectiveness of RCRA corrective actions with hydraulic control</i>	Lumped under Item 18 above- Curt Black/René Fuentes.
(25) <i>In Situ Bioremediation of Chlorinated Solvents</i>	Neither Linda Fielder nor Luanne Vanderpool were on the February call. Update for March.
(26) <i>Effect of microscale versus macroscale characterization on risk exposure assessment.</i>	Kathy reported that they are aiming to have something firm by the April meeting.
(27) <i>Issue of contaminated ground water discharging to surface water–MNA or ACL</i>	<u>Will be technical topic for March conference call.</u>
(28) <i>Issue of Indoor Air</i>	Helen Dawson. Just finished preliminary outline of issues. <u>Needs input on outline structure and issues. Curt will send it out. Intent is it will be an issue paper. Helen has volunteered to do issue paper.</u>
(29) <i>Quality Assurance Guide for Superfund Remedial Actions</i>	<u>Need to check on status.</u>

(30) *Historical Information of chlorinated VOC plumes*

Forum will not respond as a group. If any individual wants to do this on their own Curt has the forms.

ATTENDEES

Steve Mangion, Region 1
Chuck Franks, Region 1
Bill Brandon, Region 1
Dean Maraldo, Region 2
Ruth Izraeli, Region 2
Kathy Davies, Region 3
Debbie Goldblum, Region 3
Norm Kulujian, STL, Region 3
Vince Malott, Region 6
Jeff Johnson, Region 7
Helen Dawson, Region 8
Rich Freitas, Region 8
Mark Filippini, Region 9
Herb Levine, Region 9
Bernie Zavala, Region 10
Rene5 Fuentes, Region 10
Curt Black, Region 10

Barbara Vetort-Tiffany, MI DEQ/ERD
Judy Canova, SC DHEC
Helge Gabert, Utah DEQ
Rich Steimle HQ-TIO
Rob Hitzig HQ-OERR
Mark Mercer HQ-OSW
Lori Kowalski HQ-ORD
Ken Brown CRD-LV
Dave Burden SPRD-ADA